



SEQUENCE LISTING

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SEP 13 2000

TFCH CENTER 1600/2900

<1> Genetic Applications LLC
Gopal, T. Venkat

<120> Peptide-Mediated Gene Transfer

TI-70X
<130> GENAPP.002RA

<140> US 09/404,979

<141> 1999-09-22

<160> 56

<170> FastSEQ for Windows Version 4.0

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<213> Yeast

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Lys Ile Pro Ile Lys

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<211> 12

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a3
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<213> SV40

<400> 3

Pro Lys Lys Lys Arg Lys Val

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<213> Influenza virus

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Pro Arg Lys Arg
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Ala Pro Thr Lys Arg Lys
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Asp

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Lys Lys Lys Ile Lys
1 5

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His Arg Lys

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Gly Lys Lys Arg Ser Lys Ala
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<210> 14
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Gly Lys Lys Arg Ser Lys Ala
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<213> Influenza

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Asp Arg Leu Arg Arg
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Pro Lys Gln Lys Arg Lys
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Val Arg Lys Lys Arg Lys Thr
1 5

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Ala Lys Lys Ser Lys Gln Glu
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<213> Human

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Pro Ala Ala Lys Arg Val Lys Leu Asp
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<213> Human

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Arg Gln Arg Arg Asn Glu Leu Lys Ser Phe
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Thr Lys Lys Arg Lys Leu Glu
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Pro Lys Thr Arg Arg Arg Pro
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Ser Gln Arg Lys Arg Pro Pro
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Gly Arg Lys Lys Arg
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A3
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<213> Rabbit

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Arg Lys Phe Lys Lys
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<210> 28

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<213> HIV-1

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Arg Arg Asn Arg Arg Arg Arg Trp
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Pro Arg Ser Gly Lys Lys Arg Lys Arg Lys Arg Leu Lys Pro Thr
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<212> PRT

<213> Mouse

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Ser Ala Leu Ile Lys Lys Lys Lys Lys Met Ala Pro
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<210> 31

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<213> Adenovirus

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Pro Pro Lys Lys Arg
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Pro Lys Lys Lys Lys Lys
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Ser Lys Arg Val Ala Lys Arg Lys Leu
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Pro Gln Pro Lys Lys Lys Pro
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Arg Arg

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Gly Lys Arg Lys Asn Lys Pro Lys
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Lys Thr Arg Lys His Arg Gly
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<210> 41

<211> 7

<212> PRT

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<400> 41

Lys His Arg Lys His Pro Gly
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<212> PRT

<213> Tobacco

<400> 42

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Arg Arg Leu Ala Gln Asn Arg Glu Ala Ala Arg Lys Ser Arg Leu Arg
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Lys Lys

<210> 43
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<213> Tobacco

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Lys Lys Arg Ala Arg Leu Val Arg Asn Arg Glu Ser Ala Gln Leu Ser
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Arg Gln Arg Lys Lys
1 5

<210> 45
<211> 18
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<213> Maize

<400> 45
Arg Lys Arg Lys Glu Ser Asn Arg Glu Ser Ala Arg Arg Ser Arg Tyr
1 5 10 15
Arg Lys

a3
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<213> Polyvirus

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Glu Arg

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Lys Leu Arg Pro Glu Asp Arg Tyr Ile Gln Thr Glu Lys Tyr Gly Arg
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Arg

<210> 49
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Lys Thr Lys Tyr Gly Ser Asp Thr Glu Ile Lys Leu Leu Ser Lys
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<210> 50
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<213> Maize

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Val Gly Asp Pro
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<210> 51
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Met Tyr Asn Ala Ile Leu Arg Arg Lys Leu Glu Glu Asp Leu Glu
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<210> 52
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<400> 52

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Gly Asp Arg Arg Ala Ala Pro Ala Arg Pro
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<213> Xenopus nucleoplasmin

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Q3
cont.
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<213> Artificial Sequence

<220>
<223> Synthetic polypeptide with nuclear localization
signal domain and DNA binding domain.

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Lys Lys Lys Lys Lys Lys Lys Lys Lys
20 25